

In the Specification:

Please amend the specification as shown:

Please delete the paragraph on page 3, line 26 to page 4, line 26 and replace it with the following paragraph:

One fusion protein is defined by the following amino acid sequence **(SEQ ID NO: 1)**

MNSLSEANTK FMFDLFQQFR KSKENNIFYS PISITSALGM VLLGAKDNTA QQIKKVLHFD
QVTENTTGKA ATYHVDRSGN VHHQFQKLLTE FNKSTDAYE LKIANKLFG
KTYLFLQEYL DAIKKFYQTS VESVDFANAP EESRKKINSW VESQTNEKIK NLIPEGNIGS
NTTLVLVNAI YFKGQWEKKF NKEDTKEEFK WPNKNTYKSI QMMRQYTSFH
FASLEDVQAK VLEIPYKGD LSMIVLLPNE IDGLQKLEEK LTAEKLMWEWT SLQNMRETCV
DLHLPRFKME ESYDLKDTLR TMGMVNIFNG DADLSGMTWS HGLSVSKVLH
KAFVEVTEEG VEAAAATAVV VVELSSPSTN EEFCCNHPFL FFIRQNKTNS ILFYGRFSSP

based upon the DNA sequence **(SEQ ID NO: 2)**

| | | | | |
|------------|------------|------------|-------------|-------------|
| ATGAATTCAC | TCAGTGAAGC | CAACACCAAG | TTCATGTTCG | ACCTGTTCCA |
| ACAGTTCAGA | AAATCAAAG | AGAACAACAT | CTTCTATTCC | CCTATCAGCA |
| TCACATCAGC | ATTAGGGATG | GTCCTCTTAG | GAGCCAAAGA | CAACACTGCA |
| CAACAGATTA | AGAAGGTTCT | TCACCTTGAT | CAAGTCACAG | AGAACACCAC |
| AGGAAAAGCT | GCAACATATC | ATGTTGATAG | GTCAGGAAAT | GTTTCATCACC |
| AGTTTCAAAA | GCTTCTGACT | GAATTCAACA | AATTCCACTGA | TGCATATGAG |
| CTGAAGATCG | CCAACAAGCT | CTTCGGAGAA | AAAACGTATC | TATTTTTTACA |
| GGAATATTTA | GATGCCATCA | AGAAATTTTA | CCAGACCAGT | GTGGAATCTG |
| TTGATTTTGC | AAATGCTCCA | GAAGAAAGTC | GAAAGAAGAT | TAACCTCTGG |
| GTGGAAAGTC | AAACGAATGA | AAAAATTAAA | AACCTAATTC | CTGAAGGTAA |
| TATTGGCAGC | AATACCACAT | TGGTCTTGT | GAAAGCAATC | TATTTCAAAG |
| GGCAGTGGGA | GAAGAAATTT | AATAAAGAAG | ATACTAAAGA | GGAAAAATTT |
| TGGCCAAACA | AGAATACATA | CAAGTCCATA | CAGATGATGA | GGCAATACAC |
| ATCTTTTCAT | TTTGCCTCGC | TGGAGGATGT | ACAGGCCAAG | GTCCTGGAAA |
| TACCATACAA | AGGCAAAGAT | CTAAGCATGA | TTGTGTTGCT | GCCAAATGAA |
| ATCGATGGTC | TCCAGAAGCT | TGAAGAGAAA | CTCACTGCTG | AGAAATTGAT |

GGAATGGACA AGTTTGCAGA ATATGAGAGA GACATGTGTC GATTTACACT
 TACCTCGGTT CAAAATGGAA GAGAGCTATG ACCTCAAGGA CACGTTGAGA
 ACCATGGGAA TGGTGAATAT CTTCAATGGG GATGCAGACC TCTCAGGCAT
 GACCTGGAGC CACGGTCTCT CAGTATCTAA AGTCCTACAC AAGGCCTTTG
 TGGAGGTCAC TGAGGAGGGA GTGGAAGCTG CAGCTGCCAC CGCTGTAGTA
 GTAGTCGAAT TATCATCTCC TTCAACTAAT GAAGAGTTCT GTTGTAATCA
 CCCTTTCCTA TTCTTCATAA GGCAAAATAA GACCAACAGC ATCCTCTTCT
 ATGGCAGATT CTCATCCCCA TAGATGCAAT TAGTGTGTCA CT

Please delete Table 1 on page 6 and replace it with the following paragraph:

TABLE 1. PCR-primers

| <u>Primer name</u> | <u>Sequence</u> |
|--------------------|--|
| 1. SCCA 1-7F | 5'-CGGGATCCATGAATTCAGTGAAGCC-3' (<u>SEQ ID NO: 3</u>) |
| 2. SCCA 391-397B | 5'-GAGCTCGAGTCTCATCAGTGACAGACTAATTGCATCTA-3' (<u>SEQ ID NO: 4</u>) |
| 3. SCCA 266-273F | 5'-TGGAATGGACAAGTTTGCAG-3' (<u>SEQ ID NO: 5</u>) |
| 4. SCCA1 323-329B | 5'-GTAGGACTCCAGATAGCAC-3' (<u>SEQ ID NO: 6</u>) |
| 5. SCCA2 319-324F | 5'-TGGAGCCACGGTCTCTCAG-3' (<u>SEQ ID NO: 7</u>) |
| 6. SCCA2 357-363B | 5'-ATTAGTTGAAGGAGATGATAATTC-3' (<u>SEQ ID NO: 8</u>) |
| 7. SCCA1 ex7 | 5'-AATACATACAAGTCCA-3' (<u>SEQ ID NO: 9</u>) |
| 8. SCCA2 ex8 | 5'-GGACTTTAGATACTGA-3' (<u>SEQ ID NO: 10</u>) |

Please delete the paragraph on page 16, lines 4-24 and replace it with the following paragraph:

2. Alignment of the coding DNA regions, exon 2-8 of SCCA1 (SEQ ID NO: 12) and SCCA2 (SEQ ID NO: 13). Intron positions indicated -I-. Differences between the genes are indicated in grey. Italic letters show the regions coding for reactive site loops. Arrows show primer (Table 1) positions.

3. Alignment of protein sequences of SCCA1 (SEQ ID NO: 14) and SCCA2 (SEQ ID NO: 15). Intron positions are indicated with dotted lines. Differences between the proteins are indicated in grey tone. Boxes show the reactive site loops.

4. Nucleotide coding DNA region, exon 2-8 of the rearranged SCCA1/SCCA2 (SEQ ID NO: 16). Sequences derived from SCCA1 are shown in normal style while sequences derived from SCCA2 are shown in bold. Intron positions are indicated in -lx-. Differences between the genes are indicated in grey. Italic letters show the region coding for reactive site loop.

5. Protein sequence of the SCCA1/SCCA2 fusion protein (SEQ ID NO: 17). Amino acids derived from SCCA1 are shown in normal letters. Amino acids derived from SCCA2 are shown in bold letters. Intron positions are indicated with dotted lines. Differences between the proteins are indicated in grey. The reactive site loop is marked with a box.

6. Titer of PABan to SCC antigen (SEQ ID NO: 18).

7. Reactivity of established hybridomas with different SCC antigens (SEQ ID NO: 19).